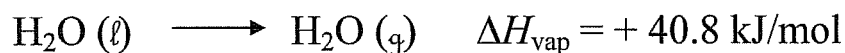


Types of Molar Enthalpies (ΔH)

◆ Heat of Reaction (ΔH)

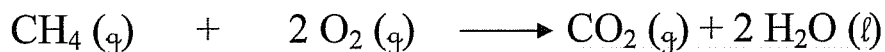
◆ Heat of Vapourization:



◆ Heat of Fusion:

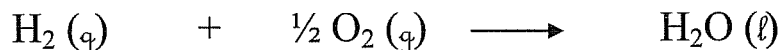


◆ Heat of Combustion:

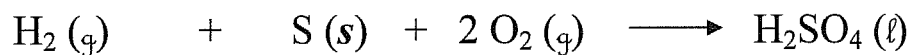


$$\Delta H_{\text{comb}} = - 892 \text{ kJ/mol}$$

◆ **Heat of Formation:** The energy change in forming a compound from its elements.



$$\Delta H_{\text{f}} = - 286 \text{ kJ/mol}$$



$$\Delta H_{\text{f}} = - 814 \text{ kJ/mol}$$